AMENDMENT OF THE CLAIMS

Claims 1-17 (Cancelled).

Claim 18 (New): A projection device wherein white light emitted from a light source system is split in different colors and transmitted to respective light valves, said light source system comprising:

a plurality of light sources;

a plurality of curved light reflectors and optical components for collecting the light rays from the light sources and creating substantially collimated light beams such that a single collimated beam corresponds to a single light source;

dividing elements for dissecting the collimated beams into smaller collimated light bundles, said dividing elements interlacing the light bundles from the light sources into one light beam;

wherein the resulting interlaced light beam propagates in a substantially collimated or parallel state.

Claim 19 (New): The projection device according to claim 18, wherein exit sides of the curved light collecting reflectors face each other and the dividing elements comprise a plurality of rectangular mirrors, mirrored prisms or internally reflecting prisms producing an interlaced and collimated beam propagating in a direction at 90 degrees to the exit side of the curved light collecting reflectors.

Claim 20 (New): The projection device according to claim 18, wherein exit sides of the curved light collecting reflectors are located substantially in the same place and face the same direction;

wherein the dividing elements comprise a plurality of rectangular mirrors or mirrored prisms producing an interlaced light beam propagating in the same direction as the exit side of the curved light collecting reflectors.

Claim 21 (New): The projection device according to claim 18, 19 or 20, wherein light color splitting elements are inserted in the path followed by the light downstream from the interlacing elements, said color splitting elements dividing the collimated white light into two or more collimated and highly uniform colored light channels.

Claim 22 (New): The projection device according to claim 21, wherein the path followed by the light downstream from the interlacing elements and upstream from the light splitting elements, is free from any optical component.

Claim 23 (New): The projection device according to claim 21, further comprising:

light integrating components optimized for each color and optimized to be used with collimated light, said integrating components inserted in their corresponding color channels in the path followed by their collimated light downstream of the light splitting elements;

pre-polarizing components optimized for each color, said pre-polarizing components inserted in their corresponding color channels in the path followed by the light downstream, of the light integrating elements.

Claim 24 (New): The projection device according to claim 22, further comprising:

light integrating components optimized for each color and optimized to be used with collimated light, said integrating components inserted in their corresponding color channels in the path followed by their collimated light downstream of the light splitting elements;

pre-polarizing components optimized for each color, said pre-polarizing components inserted in their corresponding color channels in the path followed by the light downstream, of the light integrating elements.